



**CHIQUITA CANYON**  
*A Waste Connections Company*

July 8, 2025

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and  
Tracking of Cover Issues and Monthly Summary**

Dear Ms. Gork:

In accordance with the Local Enforcement Agency's ("LEA") May 2, 2024 letter approving Chiquita's April 16, 2024 Second Revised Written Plan for Documenting and Tracking Cover Issues ("Second Revised Written Plan"), the LEA's May 29, 2024 letter, and the LEA's June 6, 2024 Compliance Order, Chiquita presents the enclosed report for documenting and tracking cover issues for the week of June 30, 2025 to July 5, 2025. Please note that July 4, 2025 was a federal holiday (Independence Day). Included in this report is the monthly summary of fissures and tension cracks prepared for June 2025, pursuant to the Second Revised Written Plan.

Please contact me if you have any questions regarding this matter.

Regards,



Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: July 8, 2025 Weekly Cover Issues Report

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health

# **Fissures and Tension Cracks**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

30 Jun 2025 / Tom Roe

Complete

Conducted on

30 Jun 2025 8:34 AM PDT

Prepared by

Tom Roe

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Grid 154



Photo 1

Instability

**Are there any indications of slope stability concerns?**

No

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

1 Jul 2025 / Tom Roe

Complete

Conducted on

1 Jul 2025 9:12 AM PDT

Prepared by

Tom Roe

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

149

**Date and Time Found**

1 Jul 2025 10:45 AM PDT

**Image of Fissure/Tension Crack**



Photo 1



Photo 2



Photo 3



Photo 4

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20ft x 30ft

**Horizontal Offset (width)**

Small 0.5-2" in width

**Vertical Offset (height)**

Extra small <0.5" in height

**Orientation (direction)**

N to S

**Location**

Castaic CA 91384  
United States  
(34.43474055696579,  
-118.64586034537298)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes



Photo 5

**Date and time of repairs**

1 Jul 2025 12:29 PM PDT

**Description of repairs**

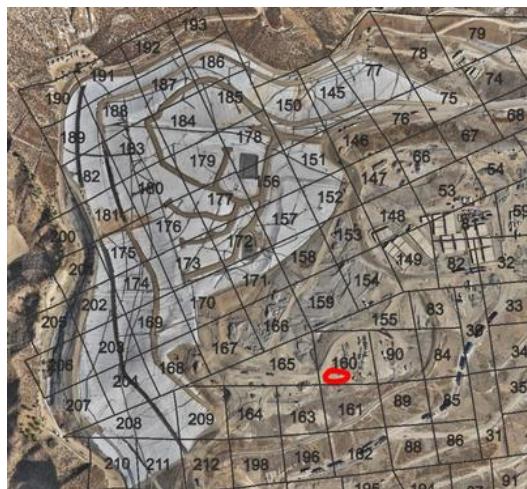
Cracks were track walked.

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

160

**Date and Time Found**

1 Jul 2025 11:11 AM PDT

**Image of Fissure/Tension Crack**



Photo 6



Photo 7



Photo 8



Photo 9

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

18ft x 32ft

**Horizontal Offset (width)**

Small 0.5-2" in width

**Vertical Offset (height)**

Extra small <0.5" in height

**Orientation (direction)**

N to S

**Location**

Castaic CA 91384  
United States  
(34.43312091361942,  
-118.64747267633534)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes



Photo 10

**Date and time of repairs**

1 Jul 2025 12:53 PM PDT

**Description of repairs**

Cracks were track walked.

Instability

**Are there any indications of slope stability concerns?**

No

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

2 Jul 2025 / Tom Roe

Complete

Conducted on

2 Jul 2025 9:30 AM PDT

Prepared by

Tom Roe

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Grid 146



Photo 1

Instability

**Are there any indications of slope stability concerns?**

No

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

3 Jul 2025 / John Boucher

Complete

Conducted on

3 Jul 2025 9:42 AM PDT

Prepared by

John Boucher

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

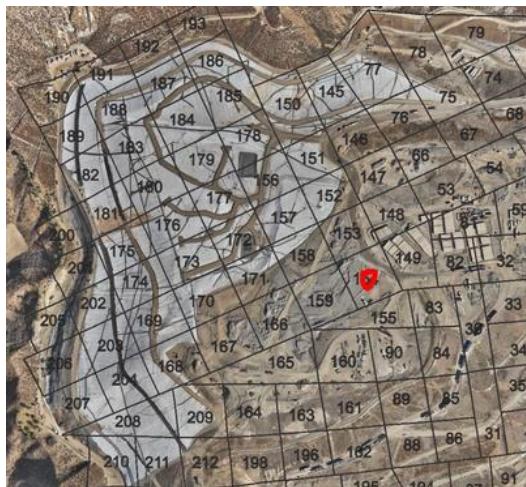
Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

154

**Date and Time Found**

3 Jul 2025 10:49 AM PDT

**Image of Fissure/Tension Crack**



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

7ft

Horizontal Offset (width)	Small 0.5-2" in width
Vertical Offset (height)	Extra small <0.5" in height
Orientation (direction)	NE to SW

Location	Castaic CA 91384 United States (34.434400836475554, -118.64670535472393)
----------	---

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed	Yes
--	-----



Photo 3

Date and time of repairs	3 Jul 2025 12:19 PM PDT
Description of repairs	Cracks were track walked.
Instability	
Are there any indications of slope stability concerns?	No

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

5 Jul 2025 / John Boucher

Complete

Conducted on

5 Jul 2025 9:45 AM PDT

Prepared by

John Boucher

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Grid 154



Photo 1

Instability

**Are there any indications of slope stability concerns?**

No

# **Settlement**

## Settlement Data Notes

- The charts on the following page show the settlement in cubic yards measured at a fixed location.
- The map shows the area between 7/3/2024 and 7/2/2025 where the grades have changed more than 10 feet. A typical MSW strain rate is 3% per year - for a landfill with a 300-foot waste column, this would be 9 feet per year.
- During normal site operations before site closure, large stockpiles of rock materials were maintained, and sometimes moved as other operations necessitated. The areas used for these material stockpiles were south and east of the lined area. There is not a way to differentiate between settlement and stockpile movements.
- On a monthly basis, SCS leads the collection and review of data to determine whether the boundaries of the Reaction Area, as defined in the Stipulated Order for Abatement with the South Coast Air Quality Management District (SCAQMD), have changed. The Reaction Committee of experts formed under the Stipulated Order then further reviews and submits these monthly determinations to SCAQMD. These determinations are also posted on Chiquita's website. As part of this monthly review, SCS considers the below factors in determining the estimated boundary of the reaction area, in accordance with the Stipulated Order.
  - Landfill gas (LFG) wellhead temperatures in excess of approximately 160 degrees Fahrenheit.
  - Poor gas quality (defined as methane levels of less than 30 percent) in conjunction with methane-to-carbon dioxide (CH<sub>4</sub>:CO<sub>2</sub>) ratios less than 1.0.
  - The concentration of hydrogen (H<sub>2</sub>) in the LFG measured greater than 2 percent by volume.
  - The concentration of carbon monoxide (CO) in the LFG measured greater than 2,000 ppm.
  - Accelerated settlement of the landfill surface, defined as approximately 18 inches or greater within a 60-day period, and cracks in the landfill cover.
  - First-hand observations of the Chiquita Canyon Landfill (Landfill) and/or SCS engineering, construction, and operations and maintenance field personnel who are on-site related to: 1) atypical excess leachate quantities (presence and quantity of liquids); 2) instances of pressurized liquids emitting from the Landfill surface, from boreholes during drilling, and from LFG wells; and, 3) the characteristics of the odors originating from the select areas of the waste footprint (often described as "chemical-like" and distinctly different from typical LFG or landfill working face odors).
  - Observations of subsurface waste conditions and characteristics as noted on borehole drilling logs for recently installed new wells and/or TMPs.
  - Subsurface temperatures recorded at the in-situ waste TMPs during the month being assessed.
  - Temperature of gas or liquids measured at depth within the LFG well riser pipe (using an automated transmitter or manual field instrumentation).

**Location 1**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	26,000	26,000	1,368
7/21/2023	32	55,000	90,000	1,719
8/11/2023	21	33,000	126,000	1,571
8/28/2023	17	24,000	156,000	1,412
9/25/2023	28	44,000	205,000	1,571
10/9/2023	14	13,000	229,000	929
10/23/2023	14	16,000	254,000	1,143
11/7/2023	15	13,000	272,000	867
11/22/2023	15	27,000	304,000	1,800
12/4/2023	12	10,000	325,000	833
12/13/2023	9	3,000	338,000	333
1/2/2024	20	25,000	352,000	1,250 *Waste fill near reaction area
1/15/2024	13	17,000	367,000	1,308
1/29/2024	14	21,000	377,000	1,500 *Waste fill near reaction area
2/12/2024	14	22,000	398,000	1,571
2/28/2024	16	16,000	411,000	1,000
3/5/2024	6	12,000	430,000	2,000
3/20/2024	15	12,000	436,000	800
3/27/2024	7	3,000	442,362	429
4/3/2024	7	3,000	454,000	429
4/10/2024	7	2,000	459,000	286
4/17/2024	7	4,000	467,000	571
4/24/2024	7	3,000	476,000	429
5/1/2024	7	4,000	484,000	571
5/8/2024	7	4,000	494,000	571
5/15/2024	7	3,000	505,000	429
5/22/2024	7	3,000	511,000	429
5/29/2024	7	2,000	524,000	286
6/5/2024	7	2,000	532,000	286
6/12/2024	7	6,000	542,853	857
6/19/2024	7	2,000	540,000	286
6/26/2024	7	2,000	545,000	286
7/3/2024	7	4,000	555,000	571
7/10/2024	7	3,000	563,000	429
7/17/2024	7	3,000	573,000	429
7/24/2024	7	4,000	590,000	571
7/31/2024	7	3,000	597,000	429
8/8/2024	8	4,000	609,000	500
8/14/2024	6	2,000	619,000	333
8/21/2024	7	3,000	631,000	429
8/28/2024	7	4,000	649,000	571
9/4/2024	7	1,000	654,000	143
9/11/2024	7	4,000	665,000	571
9/18/2024	7	2,000	673,000	286
9/25/2024	7	2,000	679,000	286
10/2/2024	7	5,000	696,000	714
10/9/2024	7	3,000	689,000	429
10/16/2024	7	4,000	706,000	571
10/23/2024	7	2,000	712,000	286
10/30/2024	7	2,000	719,000	286
11/8/2024	9	9,000	739,000	1,000
11/13/2024	5	1,000	739,000	200
11/20/2024	7	4,000	753,000	571
11/27/2024	7	5,000	768,000	714
12/4/2024	7	7,000	788,000	1,000
12/11/2024	7	5,000	794,000	714
12/18/2024	7	4,000	807,000	571
12/26/2024	8	2,000	816,000	250
1/3/2025	8	1,000	821,000	125
1/10/2025	7	2,000	835,000	286
1/17/2025	7	5,000	843,000	714
1/22/2025	5	3,000	856,000	600
1/29/2025	7	4,000	868,000	571
2/6/2025	8	3,000	880,000	375
2/14/2025	8	6,000	894,000	750
2/19/2025	5	3,000	903,000	600
2/26/2025	7	4,000	915,000	571
3/7/2025	9	2,000	925,000	222
3/11/2025	4	2,000	930,000	500
3/19/2025	8	3,000	945,000	375
3/26/2025	7	2,000	956,000	286
4/2/2025	7	2,000	964,000	286
4/9/2025	7	4,000	985,000	571
4/16/2025	7	600	990,000	86
4/23/2025	7	400	991,000	57
4/30/2025	7	2,000	1,009,000	286
5/7/2025	7	400	1,020,000	57



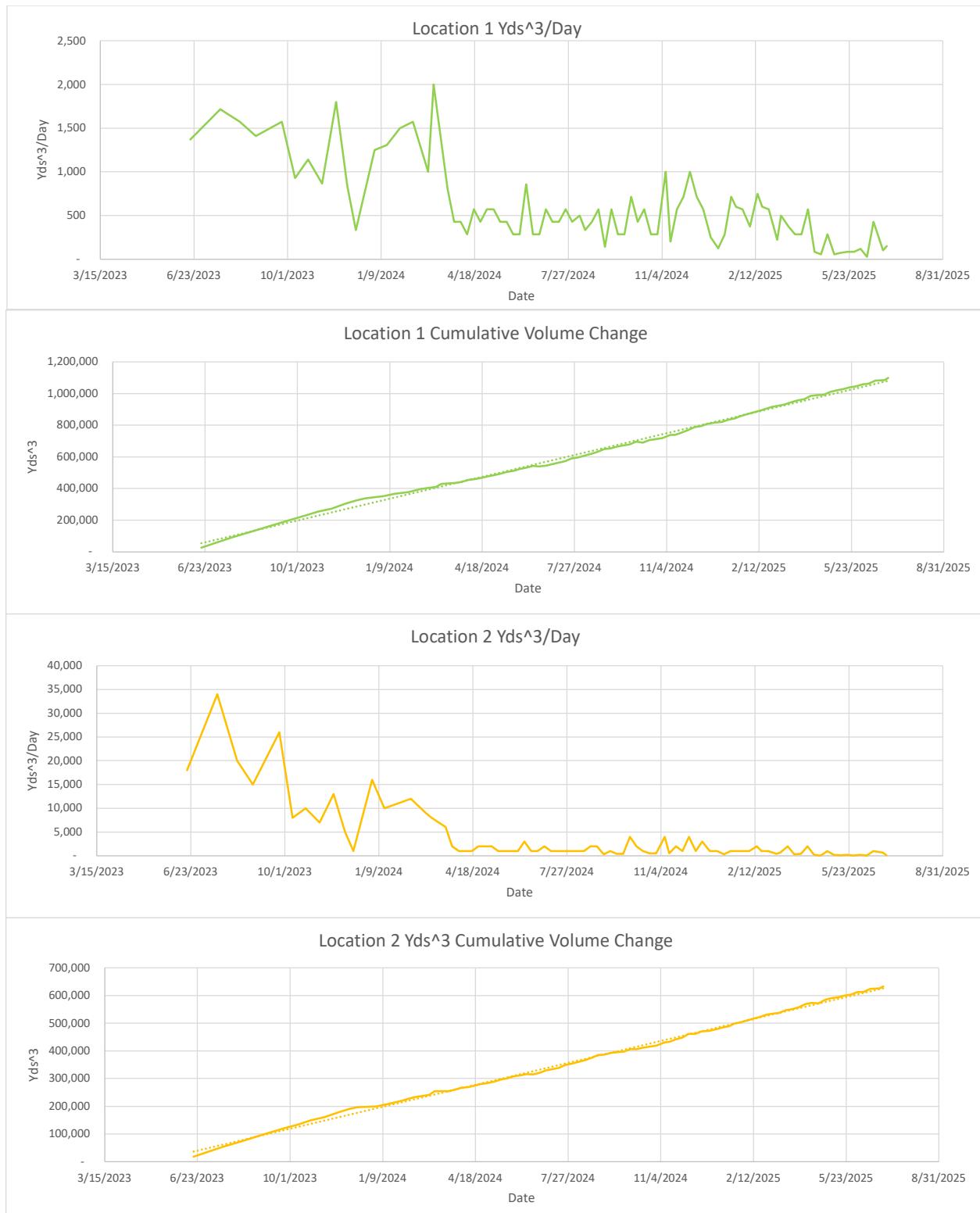
5/14/2025	7	500	1,027,000	71
5/21/2025	7	600	1,038,000	86
5/28/2025	7	600	1,044,000	86
6/4/2025	7	822	1,058,000	117
6/11/2025	7	200	1,062,000	29
6/18/2025	7	3,000	1,081,000	429
6/28/2025	10	1,000	1,084,000	100
7/2/2025	4	600	1,099,000	150

#### Location 2

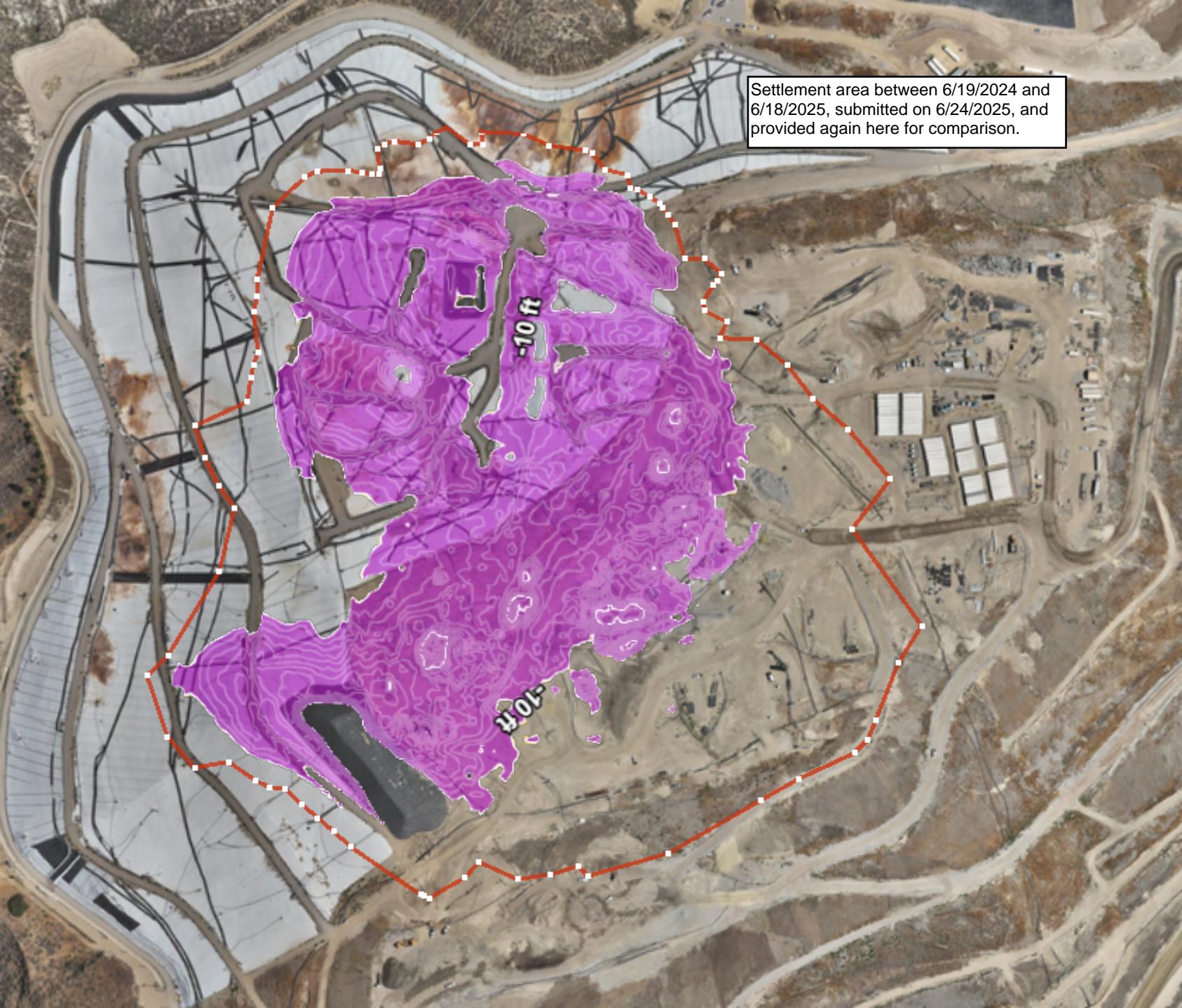
Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	18,000	18,000	947
7/21/2023	32	34,000	54,000	1,063
8/11/2023	21	20,000	75,000	952
8/28/2023	17	15,000	93,000	882
9/25/2023	28	26,000	121,000	929
10/9/2023	14	8,000	134,000	571
10/23/2023	14	10,000	149,000	714
11/7/2023	15	7,000	161,000	467
11/22/2023	15	13,000	178,000	867
12/4/2023	12	5,000	190,000	417
12/13/2023	9	1,000	197,000	111
1/2/2024	20	16,000	199,000	800 *Waste fill near reaction area
1/15/2024	13	10,000	208,000	769
1/29/2024	14	11,000	220,000	786 *Waste fill near reaction area
2/12/2024	14	12,000	233,000	857
2/28/2024	16	9,000	241,000	563
3/5/2024	6	8,000	254,000	1,333
3/20/2024	15	6,000	254,000	400
3/27/2024	7	2,000	260,000	286
4/3/2024	7	1,000	267,000	143
4/10/2024	7	1,000	269,000	143
4/17/2024	7	1,000	274,000	143
4/24/2024	7	2,000	281,000	286
5/1/2024	7	2,000	284,000	286
5/8/2024	7	2,000	289,000	286
5/15/2024	7	1,000	296,000	143
5/22/2024	7	1,000	300,000	143
5/29/2024	7	1,000	308,000	143
6/5/2024	7	1,000	312,000	143
6/12/2024	7	3,000	316,000	429
6/19/2024	7	1,000	315,000	143
6/26/2024	7	1,000	320,000	143
7/3/2024	7	2,000	330,000	286
7/10/2024	7	1,000	334,000	143
7/17/2024	7	1,000	339,000	143
7/24/2024	7	1,000	350,000	143
7/31/2024	7	1,000	354,000	143
8/8/2024	8	1,000	361,000	125
8/14/2024	6	1,000	366,000	167
8/21/2024	7	2,000	375,000	286
8/28/2024	7	2,000	385,000	286
9/4/2024	7	300	387,000	43
9/11/2024	7	1,000	393,000	143
9/18/2024	7	400	396,000	57
9/25/2024	7	400	397,000	57
10/2/2024	7	4,000	407,000	571
10/9/2024	7	2,000	406,000	286
10/16/2024	7	1,000	412,000	143
10/23/2024	7	500	415,000	71
10/30/2024	7	500	419,000	71
11/8/2024	9	4,000	431,000	444
11/13/2024	5	500	432,000	100
11/20/2024	7	2,000	441,000	286
11/27/2024	7	1,000	448,000	143
12/4/2024	7	4,000	461,000	571
12/11/2024	7	1,000	461,000	143
12/18/2024	7	3,000	471,000	429
12/26/2024	8	1,000	473,000	125
1/3/2025	8	1,000	478,000	125
1/10/2025	7	300	485,000	43
1/17/2025	7	1,000	490,000	143
1/22/2025	5	1,000	498,000	200
1/29/2025	7	1,000	503,000	143
2/6/2025	8	1,000	511,000	125
2/14/2025	8	2,000	518,000	250
2/19/2025	5	1,000	523,000	200
2/26/2025	7	1,000	531,000	143



3/7/2025	9	400	536,000	44
3/11/2025	4	700	537,000	175
3/19/2025	8	2,000	547,000	250
3/26/2025	7	300	551,000	43
4/2/2025	7	400	558,000	57
4/9/2025	7	2,000	569,000	286
4/16/2025	7	200	573,000	29
4/23/2025	7	60	572,000	9
4/30/2025	7	1,000	585,000	143
5/7/2025	7	200	591,000	29
5/14/2025	7	80	594,000	11
5/21/2025	7	200	599,000	29
5/28/2025	7	60	603,000	9
6/4/2025	7	200	612,000	29
6/11/2025	7	40	613,000	6
6/18/2025	7	1,000	624,000	143
6/28/2025	10	700	626,000	70
7/2/2025	4	100	633,000	25







Settlement area between 6/19/2024 and 6/18/2025, submitted on 6/24/2025, and provided again here for comparison.

-10 ft

WOP

# **Geosynthetic Cover**

# 4050 - Geosynthetic Cover Inspection

30 Jun 2025 / Tom Roe

Complete

Flagged items

0

Conducted on

30 Jun 2025 8:34 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

**Are there any issues with the geosynthetic cover?**

No



Photo 1



Photo 2



Photo 3



Photo 4

Instability under the cover

**Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?**

No

**Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?**

No

**Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?**

No

# 4050 - Geosynthetic Cover Inspection

1 Jul 2025 / Tom Roe

Complete

Flagged items

0

Conducted on

1 Jul 2025 9:13 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

**Are there any issues with the geosynthetic cover?**

No



Photo 1



Photo 2



Photo 3



Photo 4

Instability under the cover

**Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?**

No

**Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?**

No

**Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?**

No

# 4050 - Geosynthetic Cover Inspection

2 Jul 2025 / Tom Roe

Complete

Flagged items

0

Conducted on

2 Jul 2025 8:30 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

**Are there any issues with the geosynthetic cover?**

Yes

Found 8:33am in grid 77

**Take photo of identified issues**



Photo 1

**Notate what the issue is and what needs to be repaired**

12" tear in liner needs to be extrusion welded.

**Take photo of repair**



Photo 2

**Description of repair work**

Tear was extrusion welded.

**Date and time of repair (within 2 hours)**

2 Jul 2025 10:14 AM PDT

<b>Are further permanent repairs required?</b>	No
Instability under the cover	
<b>Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?</b>	No
<b>Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?</b>	No
<b>Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?</b>	No

# 4050 - Geosynthetic Cover Inspection

3 Jul 2025 / John Boucher

Complete

Flagged items

0

Conducted on

3 Jul 2025 9:44 AM PDT

Prepared by

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

**Are there any issues with the geosynthetic cover?**

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

Instability under the cover

**Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?**

No

**Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?**

No

**Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?**

No

# 4050 - Geosynthetic Cover Inspection

5 Jul 2025 / John Boucher

Complete

Flagged items

0

Conducted on

5 Jul 2025 9:49 AM PDT

Prepared by

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

**Are there any issues with the geosynthetic cover?**

No



Photo 1



Photo 2

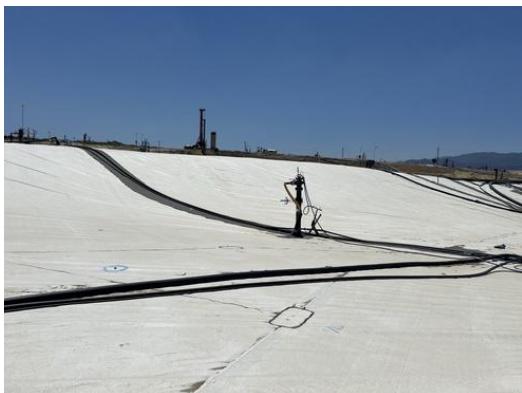


Photo 3



Photo 4

Instability under the cover

**Are there any anomalous (unusual or unexpected) areas of cover damage or deformation that may indicate underlying instability?**

No

**Are there any signs of a downslope tension crack at the top of the slope or bulging at or near the toe of the slope?**

No

**Is there any movement of the equipment that vertically penetrates the cover (e.g., tilting)?**

No

July 7, 2025

Mr. Steve Cassulo  
Chiquita Canyon Landfill  
29201 Henry Mayo Drive  
Castaic, California 91384

**JUNE 2025 FISSURE AND TENSION CRACK MONITORING SUMMARY**

**CHIQUITA CANYON LANDFILL  
CASTAIC, CALIFORNIA**

---

Dear Mr. Cassulo:

This monthly summary report was prepared by Geo-Logic Associates, Inc. (GLA) to summarize the monitoring and tracking of fissures and tension cracks that was performed at the Chiquita Canyon Landfill (Landfill) between June 1 and June 30, 2025, in accordance with Milestone 2B of the Local Enforcement Agency's (LEA) June 6, 2024 Compliance Order, formerly referred to as Mitigation Measure #2B. This summary was prepared in accordance with Chiquita Canyon, LLC's (Chiquita) April 16, 2024 Second Revised Written Plan (Second Revised Written Plan) to document and track cover issues and is associated with Milestone 2B. The conclusions in this summary are based on GLA's review and evaluation of Chiquita's daily Reaction Area Tracking of Fissures and Tension Cracks data sheets that document and track cover issues, and on information from Chiquita's drone aerial surveys.

**June Observations**

Chiquita conducts daily monitoring of the soil cover for fissures and tension cracks and of the geomembrane-covered area for damage or evidence of possible instability. The cracks and fissures that were observed in June 2025 are summarized in Table 1. Table 2 summarizes the daily observations performed in geomembrane-covered areas in June 2025. As indicated in these tables, no evidence of instability was reported in the soil-covered areas or the geomembrane-covered areas. All the cracks identified in Table 1 were repaired.

The cracks and fissures summarized in Table 1 were reviewed with respect to the criteria for "significant" as defined in the Second Revised Written Plan.<sup>1</sup> Based on these criteria, it appears that one crack met the definition of "significant":

---

<sup>1</sup> Pursuant to the Second Revised Written Plan, a "significant" fissure or tension crack is one that (1) is 100 feet or longer in length; (2) has a horizontal offset of 0.5 inches or more when the fissure/crack is at

- A crack meeting the definition of “significant” with a length of 100 ft and “large” horizontal and “medium” vertical offset was identified in Grid 147 on June 23, 2025. The photographs associated with this observation do not exhibit evidence of “large” horizontal or “medium” vertical offset. Rather, the photographs show a small area with an apparent settlement-related “collapse” feature that is not indicative of instability.

Three (3) cracks or fissures do not unambiguously meet the definition of “significant” and are judged potentially “significant” as defined in the Second Revised Written Plan based on horizontal and/or vertical offset and the reported area of cracking.

- A potentially “significant” crack with “large” horizontal and vertical offset was identified in a 115 ft x 5 ft area spanning the boundary between Grids 146 and 147 on June 9, 2025. The length of the crack was not documented and there was no documentation regarding the presence of the other small crack oriented in the same direction. The photograph of this feature shows it was a small “collapse” feature likely associated with settlement and is unrelated to instability.
- An approximately 25 ft x 150 ft area with one or more cracks with “small” horizontal and “extra small” vertical offset was identified in Grid 165 on June 23, 2025.
- An approximately 10 ft x 75 ft area with one or more cracks with “medium” horizontal offset and “small” vertical offset was identified in Grid 147 on June 24, 2025. The lengths of the individual cracks were not documented and there was no documentation regarding the presence or absence of multiple fissures or cracks oriented in the same direction.

Although not “significant”, in addition to the cracks and fissures described above, six (6) cracks or fissures with “large” or “medium” horizontal offset were observed in June. The reported vertical offsets for these cracks ranged from “extra small” to “large.” All the cracks and fissures were located on the top deck of the landfill in Grids 146 and 147 at the approximate locations shown in Figure 1. These cracks and fissures include:

- A relatively small 5 ft x 15 ft area with one or more cracks with “large” horizontal offset and “extra small” vertical offset was identified in Grid 147 on June 3, 2025.

---

least 50 feet in length; or (3) has a vertical offset of 0.5 inches or more when the fissure/crack is at least 50 feet in length or there are multiple fissures/cracks oriented in the same direction.

- An approximately 25 ft x 45 ft area with one or more cracks with “medium” horizontal offset and “extra small” vertical offset was identified in Grid 147 on June 4, 2025.
- A relatively small 2 ft x 2 ft area with one or more cracks with “large” horizontal and vertical offset was identified in Grid 147 on June 10, 2025. The length of the crack was not documented and there was no information regarding the presence or absence of multiple fissures or cracks oriented in the same direction. The photograph of this feature indicates that it was a small “collapse” feature likely associated with settlement and is unrelated to instability.
- An approximately 30 ft x 15 ft area with one or more cracks with “medium” horizontal offset and “extra small” vertical offset was identified in Grid 146 on June 18, 2025.
- A relatively small 5 ft x 5 ft area with one or more cracks with “medium” horizontal offset and small “vertical” horizontal offset was identified in Grid 146 on June 23, 2025.
- A relatively small 5 ft x 5 ft area with one or more cracks with “large” horizontal and “medium” vertical offset was identified in Grid 146 on June 25, 2025.

The grid locations of these cracks on the top deck or the top deck (south) areas of the Landfill and the size and orientations of the cracks indicate they are likely associated with settlement and not with slope stability. All the cracks identified in Table 1, including the cracks identified above, were repaired.

### Cross Sections

Cross sections that compare May 28, 2025 and June 28, 2025 topography are shown in Figures 2A through 2E. The locations of the cross sections are shown in Figure 1. The sections show no significant differences in slope between the May 2025 and June 2025 profiles, and no evidence of deformation indicative of instability, which is consistent with the daily site observations and the information summarized in Tables 1 and 2.

### Previous Monitoring Results and Trends

Previous monitoring in May, June, and December 2024 indicated potentially significant cracking in the following grids:

- **Grid 183.** The May 2024 monthly summary report described one potentially significant tension crack in Grid 183 identified on May 23, 2024 that was approximately 65 feet long with 0.5 to 2 inches of horizontal offset (defined as “small”). This crack was repaired by track-walking, and no significant or potentially significant cracks have been observed in this grid during subsequent

monitoring in May or June 2024. This grid has been covered with a geomembrane and there was no evidence of instability associated with this (or any) geomembrane-covered area from July 2024 through June 2025.

- **Grid 151.** The May 2024 monthly report indicated that potentially significant cracking may have been present in Grid 151 on May 20 and May 28, 2024. The June 2024 monthly report identified a crack, although not significant, with more than 4 inches of horizontal offset (defined as “large”) and 0.5 to 2 inches of vertical offset (defined as “small”) that was observed within an approximately 15-foot x 35-foot area of multiple cracks in this grid on June 19, 2024. The July 2024 monthly report identified a non-significant crack with more than 4 inches of horizontal offset and 0.5 to 2 inches of vertical offset that was observed in this grid on July 2, 2024. The July crack was repaired, and no cracks were observed in this grid during subsequent monitoring from August 2024 through June 2025.
- **Grid 180.** An approximately 60-foot-long crack was observed within Grid 180 on June 3, 2024. The horizontal offset was “small,” which means it was between 0.5-inches and 2-inches in width. This crack was not observed or noted during subsequent June 2024 monitoring rounds. This grid has been covered with a geomembrane and there was no evidence of instability associated with this (or any) geomembrane-covered area during subsequent monitoring from July 2024 through June 2025.
- **Grid 152.** An approximately 55-foot-long crack was observed within Grid 152 on June 24, 2024. The horizontal offset was identified as “small.” This crack was not observed or noted during subsequent June 2024 monitoring rounds, and there was no cracking observed in this grid during subsequent monitoring from August 2024 through June 2025. Grid 152 has been partially covered with a geomembrane and is near the center of the Landfill’s top deck.
- **Grid 146.** An approximately 55-foot-long crack was observed within Grid 146 on December 4, 2024. The horizontal offset was identified as “medium” whereas the vertical offset was identified as “extra small”. This crack was repaired by track-walking and was not observed during subsequent December 2024 monitoring rounds. No other potentially significant cracks or fissures were observed within this grid during subsequent monitoring from December 2024 through April 2025. The May 2025 monthly report identified three non-significant cracks with “large” horizontal offset that were observed in this grid during the May monitoring rounds. Those cracks were repaired. Table 1 identifies four potentially significant cracks

that were observed in this grid during the June 2025 monitoring rounds. These cracks were repaired by placing soil and track-walking.

Most of the fissures and tension cracks identified between April 2024 and June 2025 were identified in grids located on the top deck of the Landfill. As shown in Table 1 and Figure 1, the June 2025 cracks with “medium” to “large” offset were observed in Grids 146 and 147. Although much of the reaction area has been covered with a geomembrane and the soil cover cannot be observed in the geomembrane-covered areas, the June 2025 observations are consistent with previous observations that show no evidence of slope instability. Based on the Chiquita monitoring logs (including the settlement plots), the cracks documented in June 2025 were associated with settlement and do not provide evidence of slope instability.

Please let me know if you have any questions regarding the information in this report.

Very truly yours,  
**Geo-Logic Associates, Inc.**



Richard A. Mitchell, PG, CEG  
Principal Engineering Geologist



**Table 1**  
**SUMMARY OF JUNE 2025 FISSURE AND TENSION CRACK OBSERVATIONS**  
**Chiquita Canyon Landfill**

DATE	INSPECTOR	GRID	LOCATION	TYPE	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	LATITUDE	LONGITUDE	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNs
6/2/2025	Tom Roe		No Cracks Found	N/A									No
6/3/2025	Tom Roe	167	Top Deck (South)	Area		20x30	Small	Extra Small	NW	34.433704	-118.648951	Yes	No
6/3/2025	Tom Roe	147	Top Deck	Area		5x15	Large	Extra Small	NW	34.435178	-118.646881	Yes	No
6/4/2025	Tom Roe	147	Top Deck	Area		25x45	Medium	Extra Small	NW	34.435534	-118.646617	Yes	No
6/5/2025	John Boucher		No Cracks Found	N/A									No
6/6/2025	John Boucher	146	Top Deck	Linear	10		Small	Extra Small	NW	34.436035	-118.647043	Yes	No
6/6/2025	John Boucher	160	Top Deck (South)	Linear	6		Extra Small	Extra Small	NS	34.433396	-118.646826	Yes	No
6/7/2025	John Boucher		No Cracks Found	N/A									No
6/9/2025	Tom Roe	146-147	Top Deck	Area		115x5	Large	Large	NW	34.435899	-118.647004	Yes	No
6/10/2025	Tom Roe	147	Top Deck	Area		2x2	Large	Large	NW	34.435574	-118.646662	Yes	No
6/10/2025	Tom Roe	146	Top Deck	Linear	25		Extra Small	Extra Small	NS	34.435852	-118.646756	Yes	No
6/11/2025	Tom Roe	147	Top Deck	Area		10x40	Small	Extra Small	EW	34.435691	-118.646592	Yes	No
6/12/2025	John Boucher	146	Top Deck	Linear	12		Extra Small	Extra Small	NS	34.435956	-118.647493	Yes	No
6/12/2025	John Boucher	147	Top Deck	Linear	5		Small	Extra Small	NW	34.435629	-118.646860	Yes	No
6/12/2025	John Boucher	147	Top Deck	Area		20x10	Extra Small	Extra Small	NW	34.435850	-118.646624	Yes	No
6/12/2025	John Boucher	90	Top Deck (South)	Linear	16		Extra Small	Extra Small	NW	34.435550	-118.647524	Yes	No
6/13/2025	John Boucher	170	Top Deck (South)	Area		20x25	Extra Small	Extra Small	NW	34.431227	-118.620272	Yes	No
6/14/2025	John Boucher		No Cracks Found	N/A									No
6/16/2025	Tom Roe		No Cracks Found	N/A									No
6/17/2025	Tom Roe	147	Top Deck	Linear	25		Small	Extra Small	NW	34.435651	-118.646860	Yes	No
6/18/2025	Tom Roe	155	Top Deck (South)	Area		40x50	Small	Extra Small	NE	34.434041	-118.646341	Yes	No
6/18/2025	Tom Roe	146	Top Deck	Area		30x15	Medium	Extra Small	NW	34.436257	-118.646933	Yes	No
6/19/2025	John Boucher	146	Top Deck	Linear	25		Extra Small	Extra Small	NS	34.435697	-118.647070	Yes	No
6/19/2025	John Boucher	148	Top Deck	Area		20x15	Small	Extra Small	NW	34.435661	-118.645338	Yes	No
6/20/2025	John Boucher	147	Top Deck	Linear	10		Small	Extra Small	NW	34.434328	-118.646300	Yes	No
6/20/2025	John Boucher	154	Top Deck (South)	Area		20x20	Small	Extra Small	NE	34.434149	-118.646966	Yes	No
6/21/2025	John Boucher		No Cracks Found	N/A									No
6/23/2025	Tom Roe	146	Top Deck	Area		5x5	Medium	Small	NW	34.436080	-118.646908	Yes	No
6/23/2025	Tom Roe	146	Top Deck	Area		5x25	Small	Extra Small	NW	34.435969	-118.646764	Yes	No
6/23/2025	Tom Roe	147	Top Deck	Linear	100		Large	Medium	NW	34.435763	-118.646935	Yes	No
6/23/2025	Tom Roe	165	Top Deck (South)	Area		25x150	Small	Extra Small	NS	34.433359	-118.647808	Yes	No
6/24/2025	Tom Roe	147	Top Deck	Area		10x75	Medium	Small	NW	34.435688	-118.646654	Yes	No
6/24/2025	Tom Roe	146	Top Deck	Linear	35		Small	Extra Small	NW	34.435876	-118.647043	Yes	No
6/25/2025	Tom Roe	146	Top Deck	Area		5x5	Large	Medium	NW	34.436133	-118.646957	Yes	No
6/25/2025	Tom Roe	154	Top Deck (South)	Area		15x25	Small	Extra Small	NW	34.434186	-118.646804	Yes	No

**Table 1**  
**SUMMARY OF JUNE 2025 FISSURE AND TENSION CRACK OBSERVATIONS**  
**Chiquita Canyon Landfill**

DATE	INSPECTOR	GRID	LOCATION	TYPE	LENGTH (ft)	AREA (ft x ft)	HORIZONTAL OFFSET	VERTICAL OFFSET	ORIENTATION	LATITUDE	LONGITUDE	REPAIRED	INDICATIONS OF SLOPE STABILITY CONCERNs
6/26/2025	John Boucher	149	Top Deck (South)	Area		15x20	Extra Small	Extra Small	NE	34.434506	-118.645972	Yes	No
6/26/2025	John Boucher	164	Top Deck (South)	Linear	20		Extra Small	Extra Small	NE	34.432938	-118.648243	Yes	No
6/26/2025	John Boucher	146	Top Deck	Area		5x15	Small	Extra Small	NW	34.436453	-118.646896	Yes	
6/27/2025	John Boucher	147	Top Deck	Area		15x15	Small	Extra Small	NW	34.435651	-118.646600	Yes	No
6/27/2025	John Boucher	148	Top Deck	Linear	14		Extra Small	Extra Small	NW	34.435164	-118.646159	Yes	No
6/28/2025	John Boucher		No Cracks Found	N/A									No
6/30/2025	Tom Roe		No Cracks Found	N/A									No

**HORIZONTAL CRACK DEFINITIONS**

Extra Small <0.5-in Width

Small 0.5-in to 2-in Width

Medium 2-in to 4-in Width

Large >4-in Width

**VERTICAL CRACK DEFINITIONS**

Extra Small <0.5-in Height

Small 0.5-in to 2-in Height

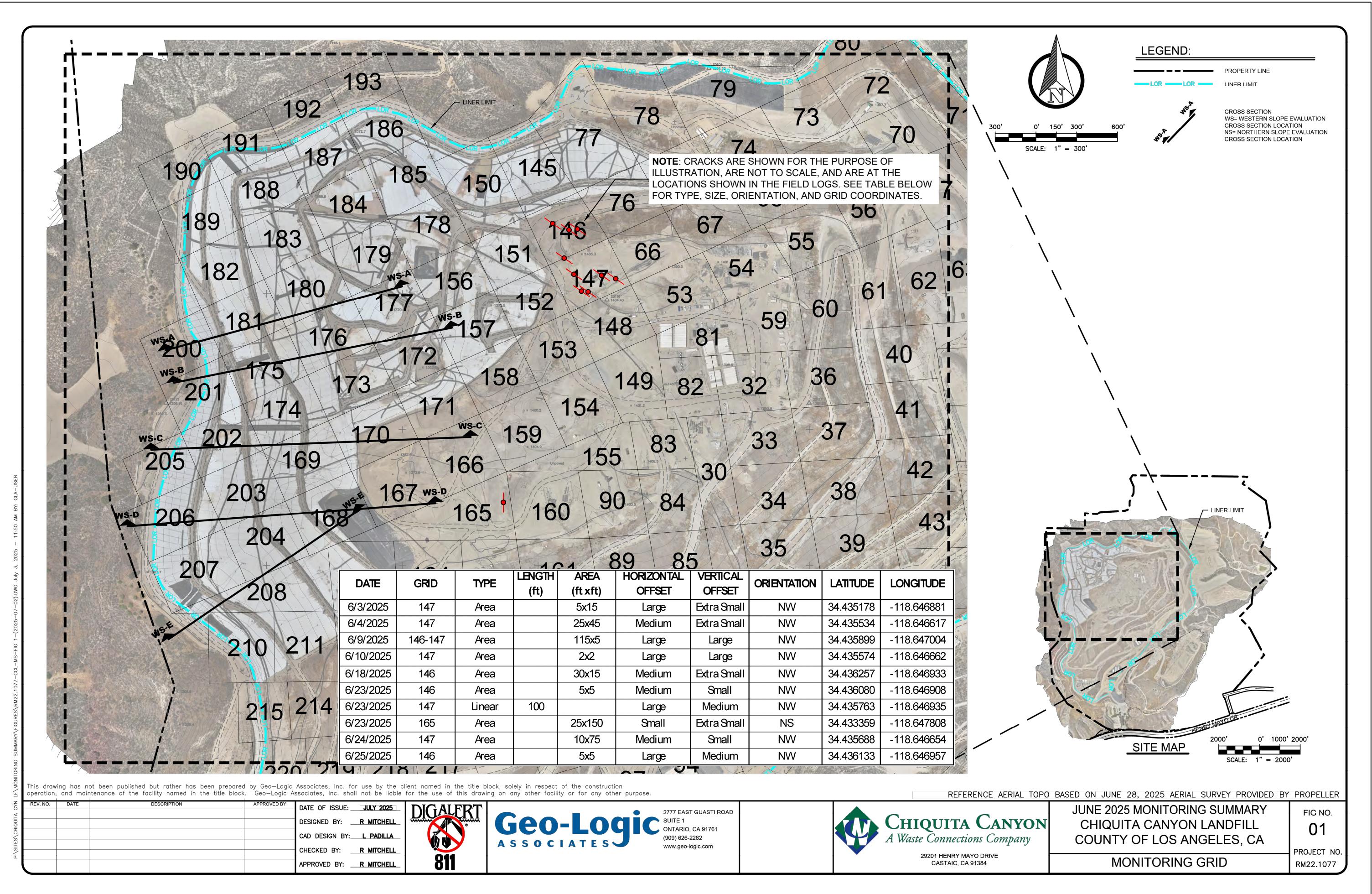
**Table 2**  
**SUMMARY OF JUNE 2025 GEOMEMBRANE COVER OBSERVATIONS**  
**Chiquita Canyon Landfill**

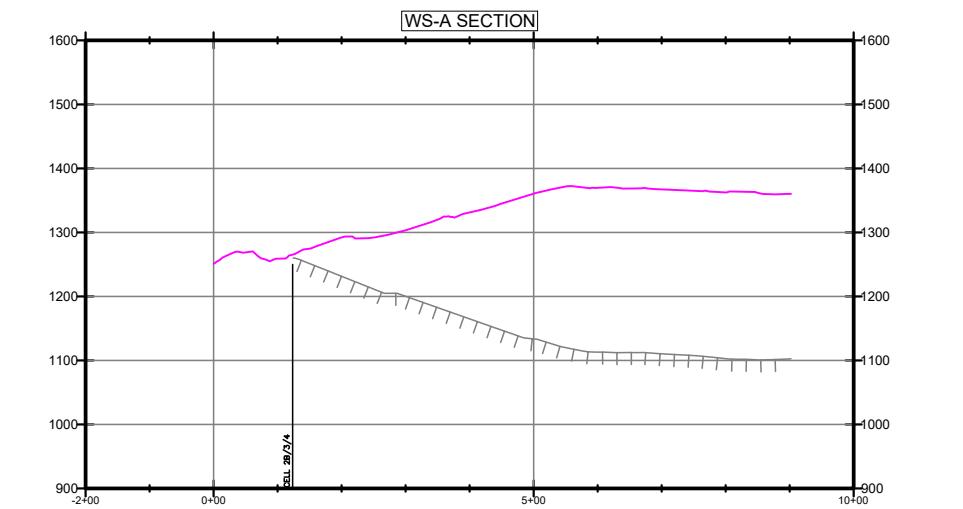
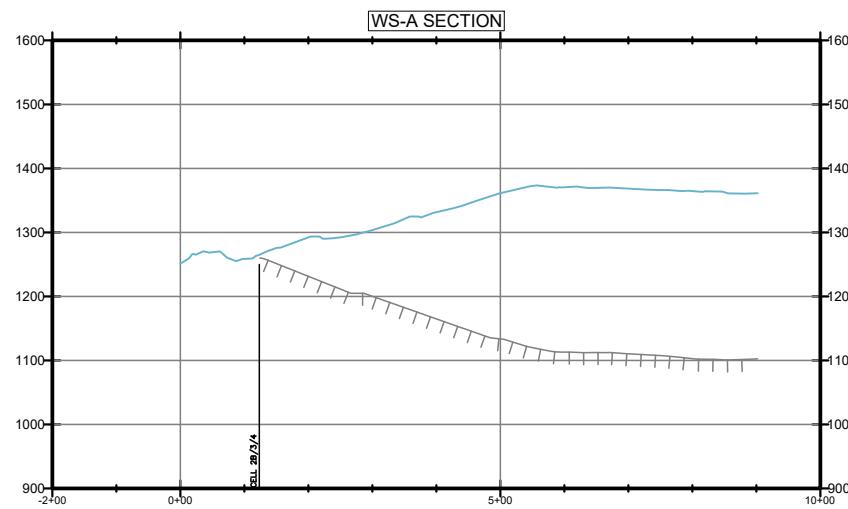
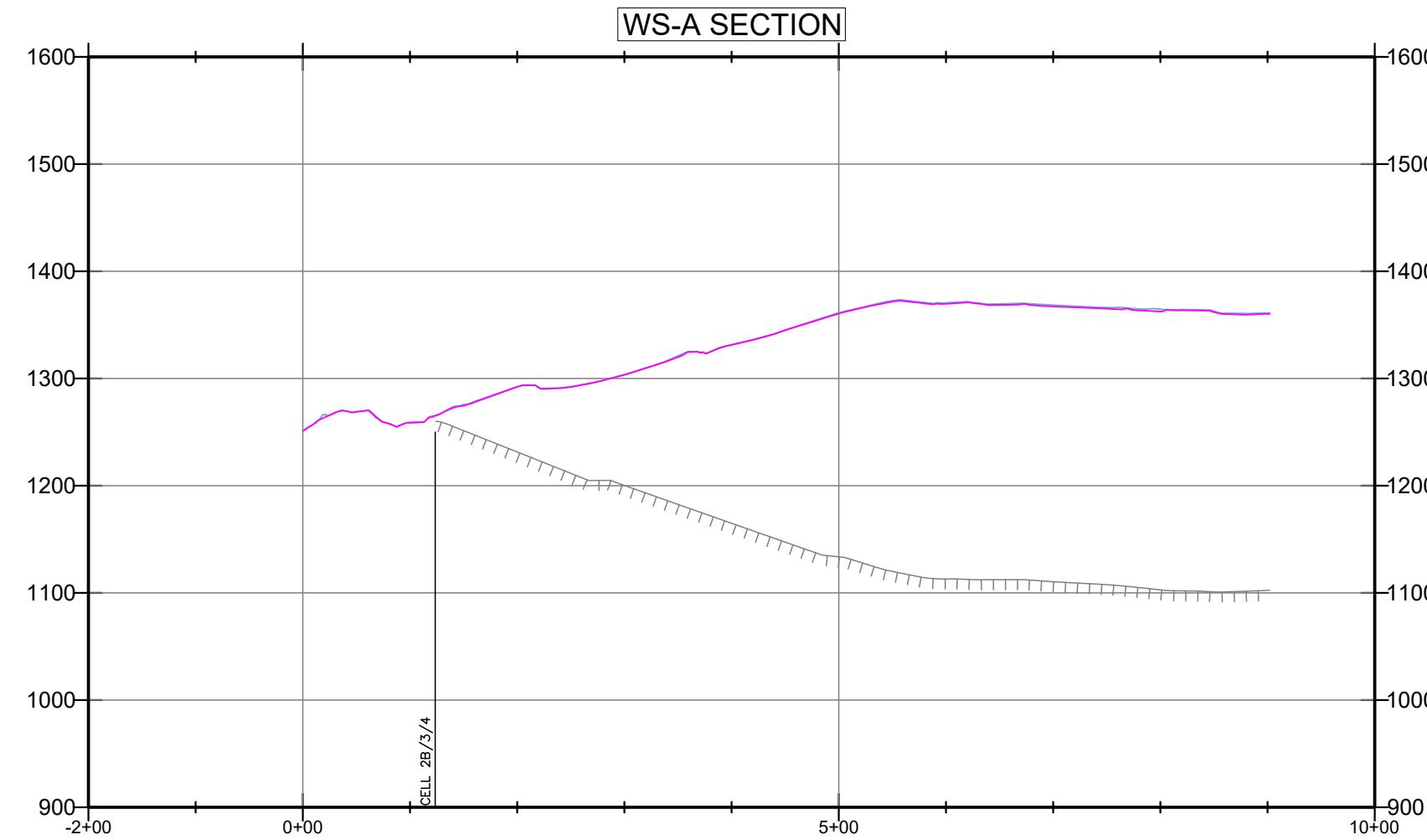
DATE	ISSUES OR CONCERNS			
	Issue Identified	Evidence of Underlying Deformation	Tension Cracks at Top of Slope or Bulging at Toe of Slope	Vertical Deformation of Infrastructure Such as Wells or Probes
6/2/2025	Yes <sup>1</sup>	No	No	No
6/3/2025	No	No	No	No
6/4/2025	No	No	No	No
6/5/2025	No	No	No	No
6/6/2025	No	No	No	No
6/7/2025	No	No	No	No
6/9/2025	No	No	No	No
6/10/2025	No	No	No	No
6/11/2025	No	No	No	No
6/12/2025	No	No	No	No
6/13/2025	No	No	No	No
6/14/2025	No	No	No	No
6/16/2025	No	No	No	No
6/17/2025	No	No	No	No
6/18/2025	No	No	No	No
6/19/2025	No	No	No	No
6/20/2025	Yes <sup>2</sup>	No	No	No
6/21/2025	No	No	No	No
6/23/2025	No	No	No	No
6/24/2025	No	No	No	No
6/25/2025	No	No	No	No
6/26/2025	No	No	No	No
6/27/2025	No	No	No	No
6/28/2025	No	No	No	No
6/30/2025	No	No	No	No

**June Notes**

<sup>1</sup>Tear in liner. Sealed with flex tape on 6/2. Repair completed by extrusion welding on 6/3.

<sup>2</sup>Tear in liner that was extrusion welded.

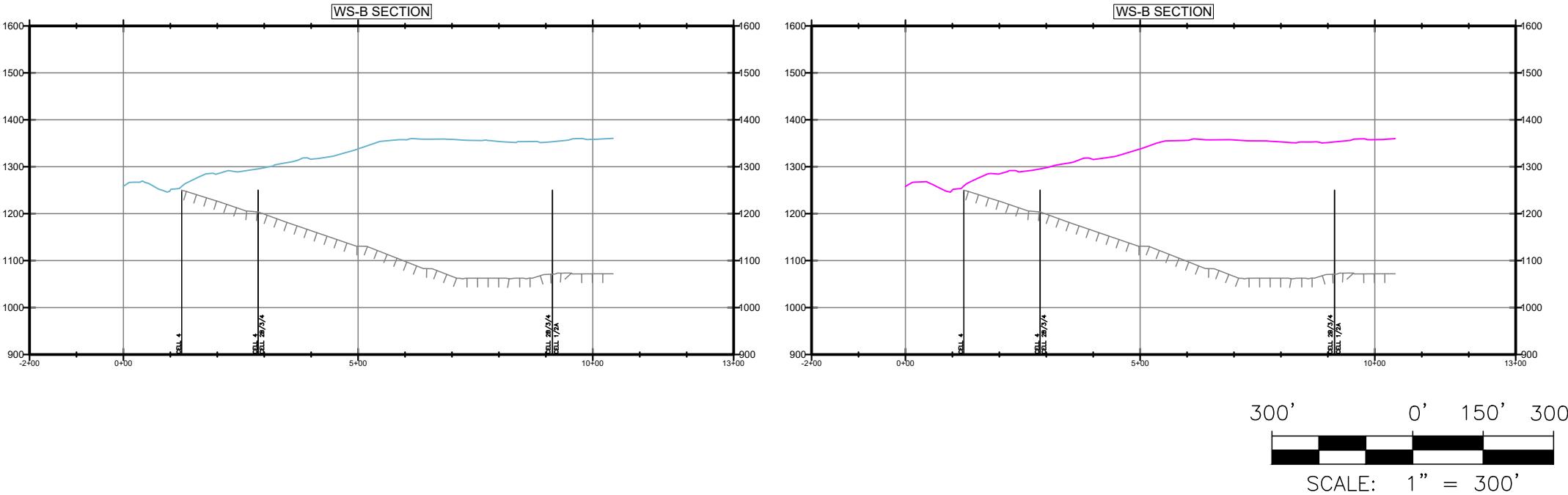
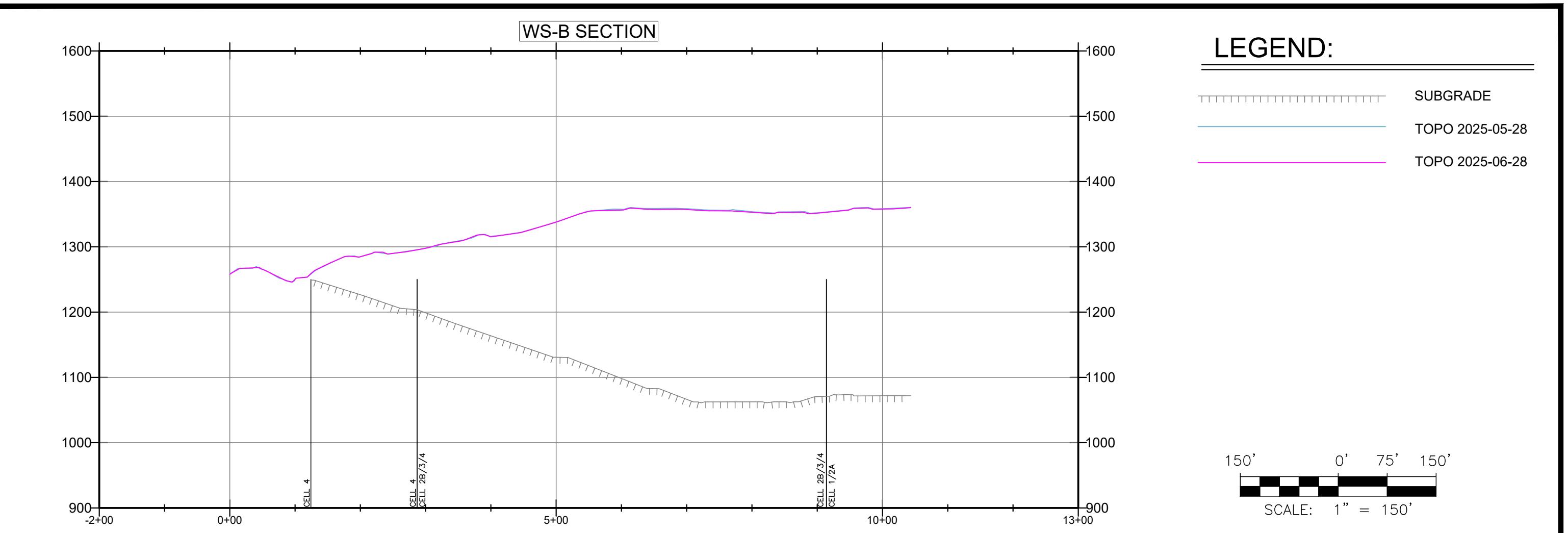




**FIGURE 2A**

**WESTERN SLOPE CROSS SECTION A**  
**JUNE 2025 MONITORING SUMMARY**  
**CHIQUITA CANYON LANDFILL**  
**COUNTY OF LOS ANGELES, CA**

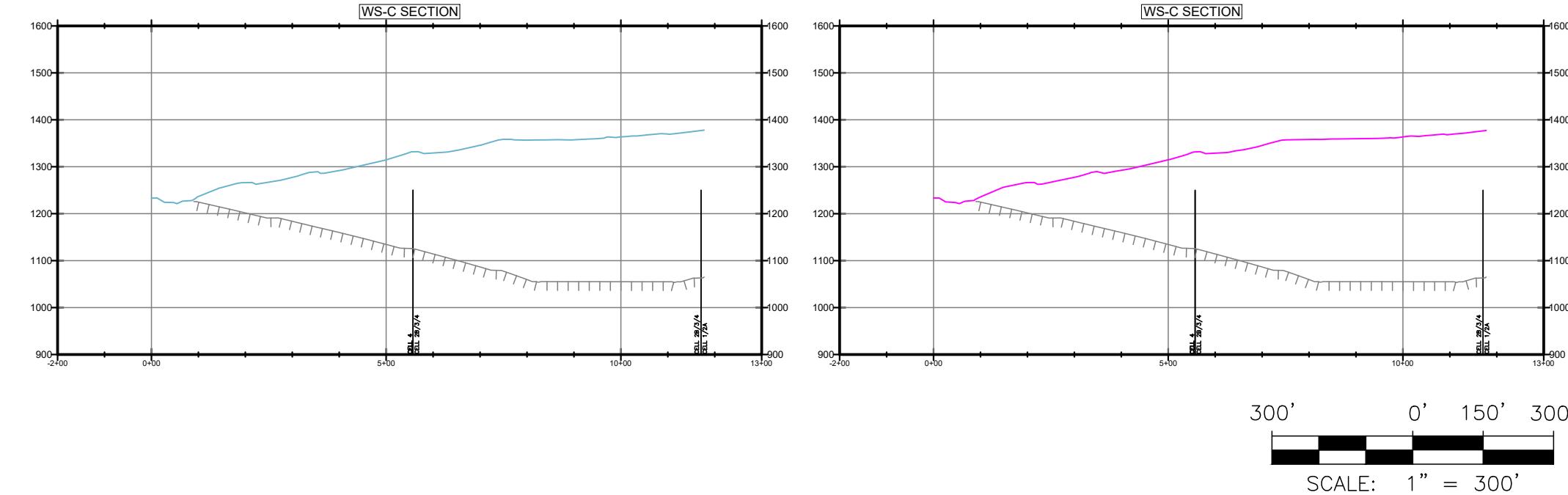
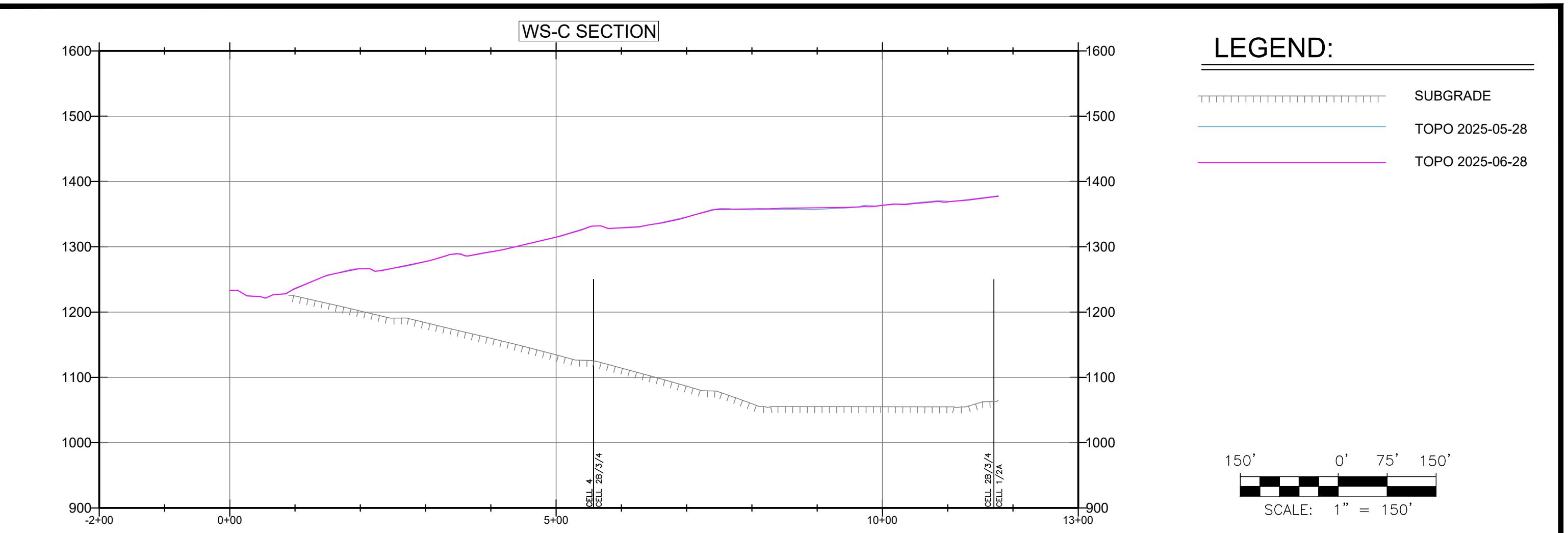
**Geo-Logic**  
ASSOCIATES



**FIGURE 2B**  
**WESTERN SLOPE CROSS SECTION B**  
**JUNE 2025 MONITORING SUMMARY**  
**CHIQUITA CANYON LANDFILL**  
**COUNTY OF LOS ANGELES, CA**

**Geo-Logic**  
**ASSOCIATES**

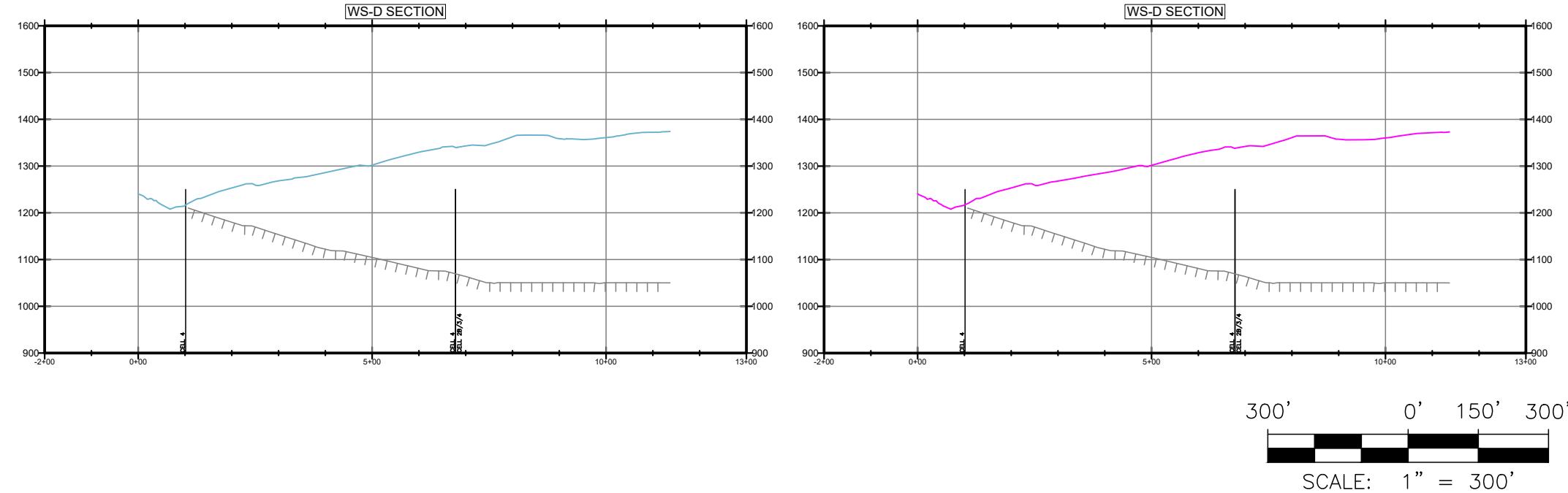
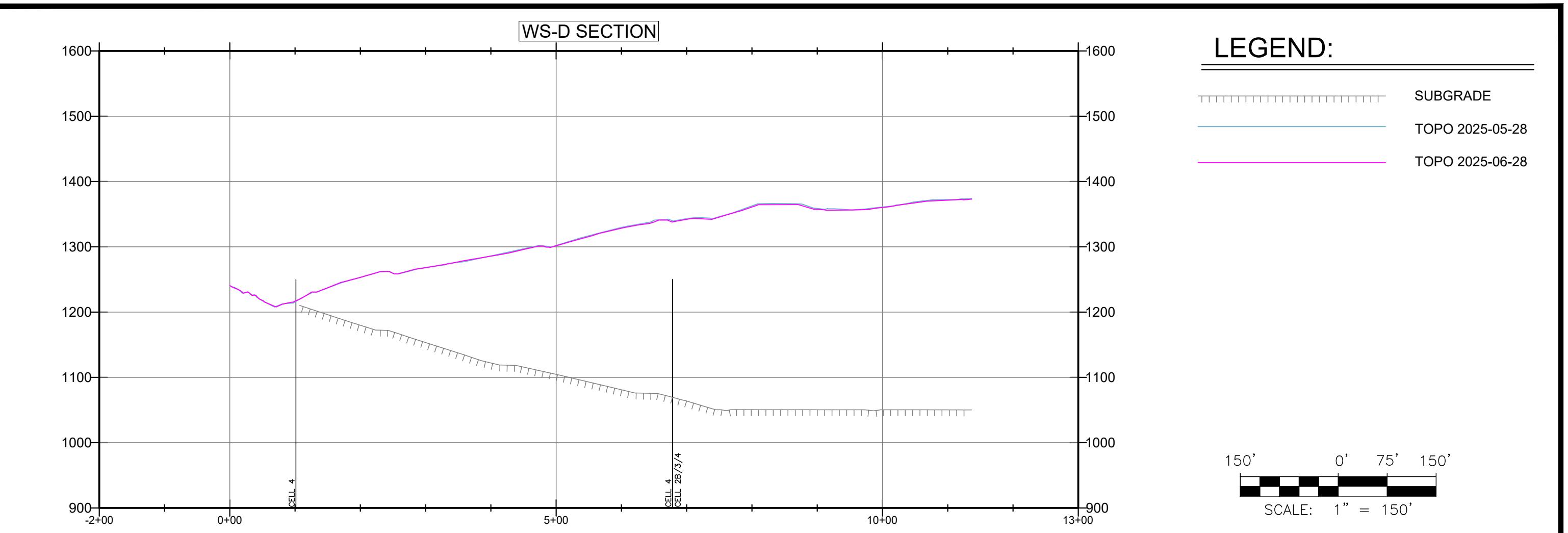
DRAWN BY: LP/RM | DATE: JULY 2025 | JOB NO.: RM22.1077



**FIGURE 2C**  
**WESTERN SLOPE CROSS SECTION C**  
**JUNE 2025 MONITORING SUMMARY**  
**CHIQUITA CANYON LANDFILL**  
**COUNTY OF LOS ANGELES, CA**

**Geo-Logic**  
**ASSOCIATES**

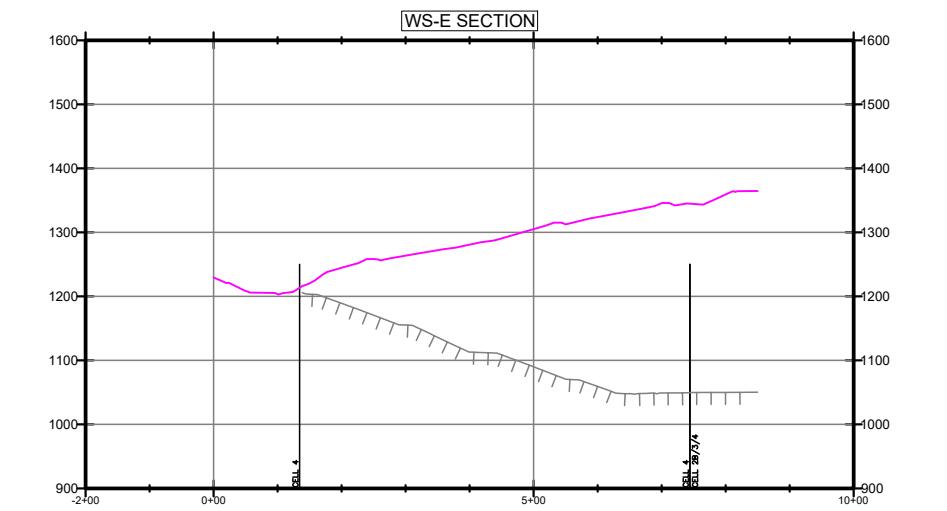
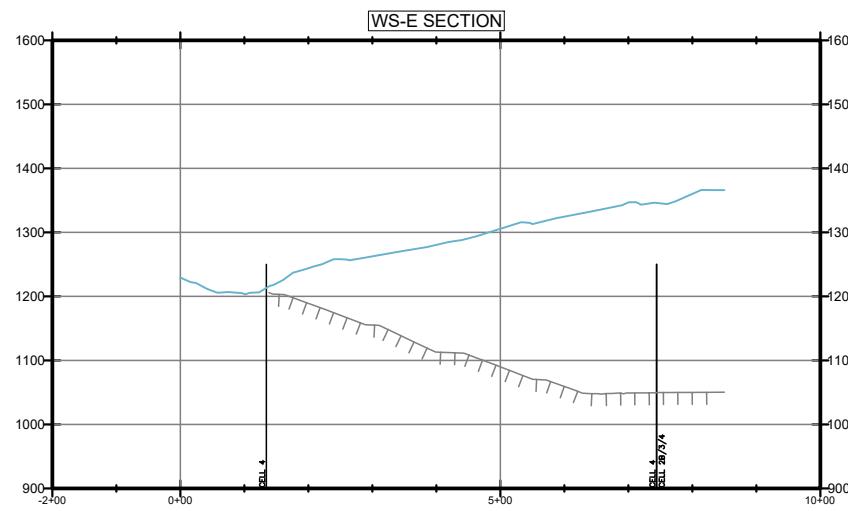
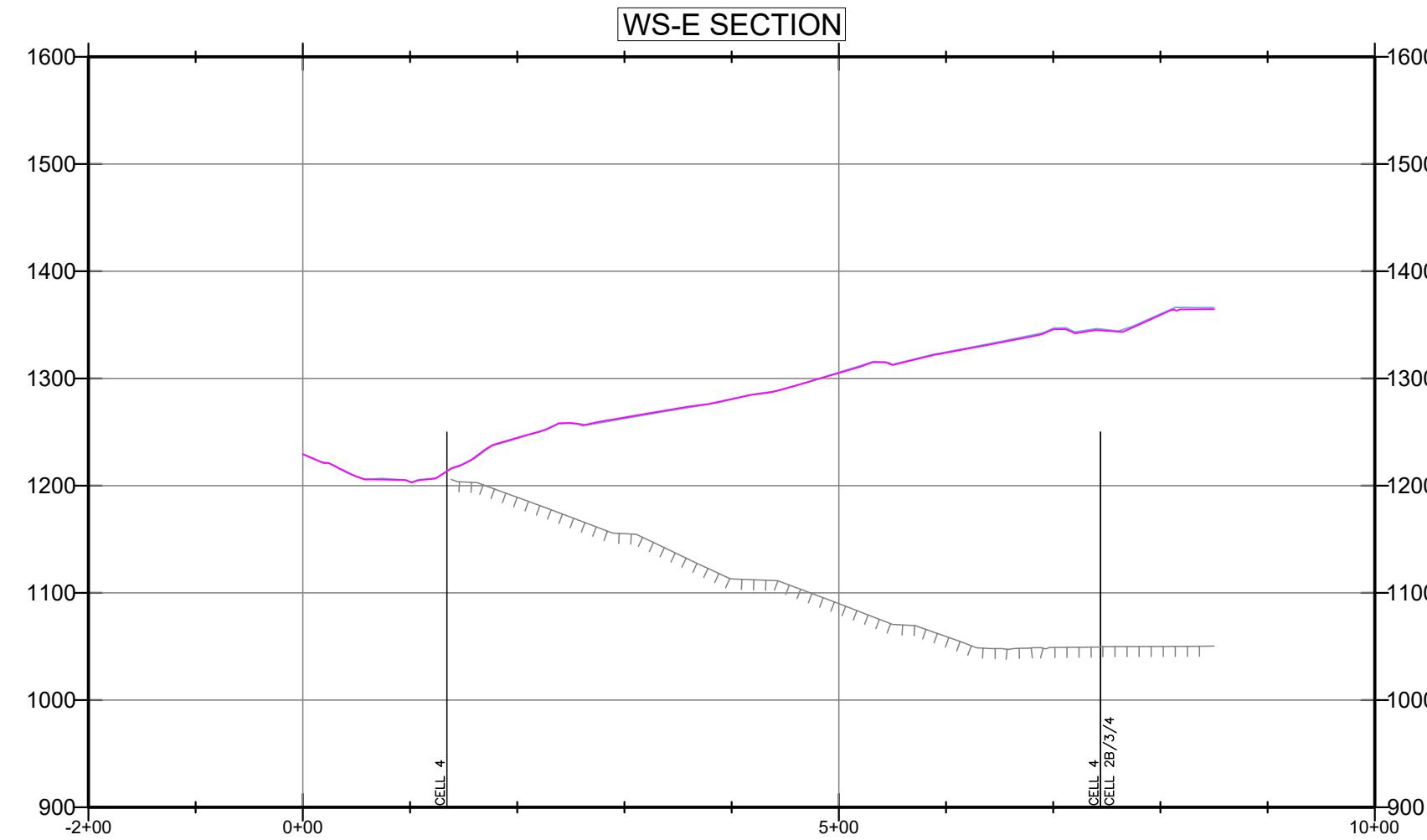
DRAWN BY: LP/RM | DATE: JULY 2025 | JOB NO.: RM22.1077



**FIGURE 2D**  
**WESTERN SLOPE CROSS SECTION D**  
**JUNE 2025 MONITORING SUMMARY**  
**CHIQUITA CANYON LANDFILL**  
**COUNTY OF LOS ANGELES, CA**

**Geo-Logic**  
**ASSOCIATES**

DRAWN BY: LP/RM | DATE: JULY 2025 | JOB NO.: RM22.1077



**FIGURE 2E**

**WESTERN SLOPE CROSS SECTION E**  
**JUNE 2025 MONITORING SUMMARY**  
**CHIQUITA CANYON LANDFILL**  
**COUNTY OF LOS ANGELES, CA**

**Geo-Logic**  
**ASSOCIATES**

# Chiquita Canyon Landfill - Isopach



June 28, 2025 Survey Image. May 28, 2025 vs June 28, 2025